

*Pinus resinosa* - *Populus tremuloides* / *Diervilla lonicera* - *Vaccinium* spp. Forest  
(Red Pine - Aspen - Birch Forest)

COMMON NAME	Red Pine - Trembling Aspen / Bush-honeysuckle - Blueberry species Forest
SYNONYM	Red Pine - Aspen - Birch Forest
PHYSIOGNOMIC CLASS	Forest (I)
PHYSIOGNOMIC SUBCLASS	Mixed evergreen-deciduous forest (I.C)
PHYSIOGNOMIC GROUP	Mixed needle-leaved evergreen - cold-deciduous forest (I.C.3)
PHYSIOGNOMIC SUBGROUP	Natural/Semi-natural (I.C.3.N)
FORMATION	Mixed needle-leaved evergreen - cold-deciduous forest (I.C.3.N.a)
ALLIANCE	PINUS STROBUS - (PINUS RESINOSA) - POPULUS TREMULOIDES FOREST ALLIANCE

CLASSIFICATION CONFIDENCE LEVEL 2

USFWS WETLAND SYSTEM TERRESTRIAL

RANGE

***Voyageurs National Park***

This type is found throughout the park, typically as a mix or as part of a mosaic of pure red or white pine and pure aspen-birch types.

***Globally***

This association is found in Minnesota, Manitoba, and Ontario.

ENVIRONMENTAL DESCRIPTION

***Voyageurs National Park***

Stands are found on well-drained upland sites on a variety of landforms. Soils are coarse sandy, and shallow to deep.

***Globally***

Stands are found on well-drained upland sites on a variety of landforms. Soils are coarse sandy, and shallow to deep (Sims *et al.* 1989, McCarthy *et al.* 1994).

MOST ABUNDANT SPECIES

***Voyageurs National Park***

<u>Stratum</u>	<u>Species</u>
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***Globally***

<u>Stratum</u>	<u>Species</u>
Tree canopy	<i>Pinus resinosa</i> , <i>Populus tremuloides</i>
Short shrub	<i>Diervilla lonicera</i> , <i>Vaccinium</i> spp.

CHARACTERISTIC SPECIES

***Voyageurs National Park***

***Globally***

*Pinus resinosa*, *Populus tremuloides*, *Diervilla lonicera*, *Vaccinium* spp.

VEGETATION DESCRIPTION

***Voyageurs National Park***

This type was not described separately at Voyageurs National Park. See global description for characteristics of this type.

***Globally***

Stands contain a mix of deciduous and evergreen trees, comprising mainly *Pinus resinosa* as the conifer, with some *Pinus banksiana*, *Pinus strobus*, and *Abies balsamea*. Less frequent associates include *Picea glauca* and *Picea*

## USGS-NPS Vegetation Mapping Program

### Voyageurs National Park

*mariana*. Hardwoods include *Betula papyrifera*, *Populus grandidentata*, and *Populus tremuloides*. The shrub and herb layer varies from dense to open. Tall and dwarf-shrubs include *Abies balsamea*, *Acer spicatum*, *Amelanchier* spp., *Corylus cornuta*, *Diervilla lonicera*, *Linnaea borealis*, *Lonicera canadensis*, *Vaccinium angustifolium*, and *Vaccinium myrtilloides*. Herbs include *Aster macrophyllus*, *Aralia nudicaulis*, *Clintonia borealis*, *Cornus canadensis*, and *Maianthemum canadense*. Large patches of feathermoss can develop on the forest floor. Moss species include *Dicranum polysetum* and *Pleurozium schreberi* (Sims *et al.* 1989, McCarthy *et al.* 1994).

CONSERVATION RANK G?.

DATABASE CODE Cegl002520

#### COMMENTS

##### ***Voyageurs National Park***

The Red Pine-Aspen-Birch Forest is rarely found as a distinct type; it more commonly is found as a mosaic of the Red Pine/Blueberry Dry Forest (CEGL002443) and the Aspen-Birch/Boreal Conifer Forest (CEGL002466). Where hardwoods, especially *Populus tremuloides* and *Betula papyrifera*, are present in the canopy with *Pinus resinosa* at > 25% cover, stands belong with this type, the Red Pine-Aspen-Birch Forest.

#### REFERENCES